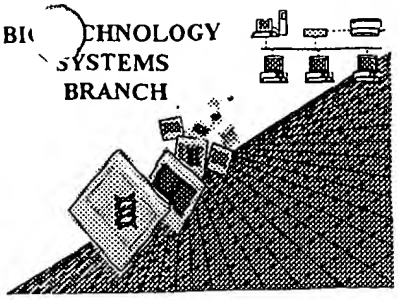

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/787,000

Source: PCT09

Date Processed by STIC: 3-28-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 09/787,000

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 ____	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 ____	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4 ____	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 ____	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 ____	Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
7 ____	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
8 ____	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: **(2) INFORMATION FOR SEQ ID NO:X:** (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") **(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:** **This sequence is intentionally skipped** Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 ____	Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. **<210> sequence id number** **<400> sequence id number** **000**
10 ____	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
11 ____	Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.
12 ✓	Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" **Please explain source of genetic material in <220> to <223> section.** (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13 ____	PatentIn ver. 2.0 "bug"	**Please do not use "Copy to Disk" function of PatentIn version 2.0.** This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

PCT
09

RAW SEQUENCE LISTING DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:24

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

```
      3 <110> APPLICANT: JANNES, GEERT
      4       SCHMITT, HEINZ-JOSEF
      6 <120> TITLE OF INVENTION: IDENTIFICATION OF MICROORGANISMS CAUSING ACUTE
      7       RESPIRATORY TRACT INFECTIONS (ARI)
      9 <130> FILE REFERENCE: 2752-33
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,000
C--> 12 <141> CURRENT FILING DATE: 2001-03-13
     14 <150> PRIOR APPLICATION NUMBER: PCT/EP99/07065
     15 <151> PRIOR FILING DATE: 1999-09-22
     17 <150> PRIOR APPLICATION NUMBER: EP98870203.1
     18 <151> PRIOR FILING DATE: 1998-09-24
     20 <160> NUMBER OF SEQ ID NOS: 34
     22 <170> SOFTWARE: PatentIn Ver. 2.1
     24 <210> SEQ ID NO: 1
     25 <211> LENGTH: 20
     26 <212> TYPE: DNA
     27 <213> ORGANISM: Artificial Sequence
     29 <220> FEATURE:
     30 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
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     33 cctgcattaa cactaaattc                                              20
     36 <210> SEQ ID NO: 2
     37 <211> LENGTH: 21
     38 <212> TYPE: DNA
     39 <213> ORGANISM: Artificial Sequence
     41 <220> FEATURE:
     42 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
     44 <400> SEQUENCE: 2
     45 tcttgctacc ttctgtacta a                                           21
     48 <210> SEQ ID NO: 3
     49 <211> LENGTH: 21
     50 <212> TYPE: DNA
     51 <213> ORGANISM: Artificial Sequence
     53 <220> FEATURE:
     54 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
     56 <400> SEQUENCE: 3
     57 aaaattccaa aagagaccgg c                                           21
     60 <210> SEQ ID NO: 4
     61 <211> LENGTH: 21
     62 <212> TYPE: DNA
     63 <213> ORGANISM: Artificial Sequence
     65 <220> FEATURE:
     66 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
     68 <400> SEQUENCE: 4
     69 gaaacacgga cacccaaagt a                                           21
     72 <210> SEQ ID NO: 5
     73 <211> LENGTH: 19
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Does Not Comply
Corrected Diskette Needed
global error
see all pages.

More specific response to <223> needed. What is the source of the genetic material in the sequences? See #12 on the Error Summary sheet.

note:

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:24

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
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81 catcggagga cttgaatgg 19
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 21
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
92 <400> SEQUENCE: 6
93 gtcaagagca ccgattatca c 21
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 15
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
104 <400> SEQUENCE: 7
105 gatgacgccg cggtg 15
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 16
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
116 <400> SEQUENCE: 8
117 tctcgatgac gccgcg 16
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 17
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
128 <400> SEQUENCE: 9
129 cataaagaag ggtgggc 17
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 23
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
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140 <400> SEQUENCE: 10
141 ccttcattat caattggtaa gtc 23
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 23
146 <212> TYPE: DNA

refer to p. 1

RAW SEQUENCE LISTING DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:24

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
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<213> ORGANISM: Artificial Sequence
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<220> FEATURE:
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<400> SEQUENCE: 16
tcttgctacc ttctgtacta a 21
<210> SEQ ID NO: 17
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

refer to p.1

RAW SEQUENCE LISTING DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:24

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

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222 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
224 <400> SEQUENCE: 17
225 ggtggatcac ctcctttcta atg 23
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229 <211> LENGTH: 23
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
236 <400> SEQUENCE: 18
237 gtggtaaatt aaacccaaat ccc 23
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 21
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
248 <400> SEQUENCE: 19
249 gcatccacca taagcccttа g 21
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 24
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
260 <400> SEQUENCE: 20
261 ccttttaag gacaaggaag gttg 24
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 23
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
272 <400> SEQUENCE: 21
273 gatccatgca agttaacttc acc 23
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
284 <400> SEQUENCE: 22
285 tatagctgct ggatcggtgg 20
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 21
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:

refer to p. 1

RAW SEQUENCE LISTING DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:24

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

294 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
296 <400> SEQUENCE: 23
297 ccaaaaccca acgcttaaca c 21
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
308 <400> SEQUENCE: 24
309 ggtaaattaa acccaaatcc ct 22
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 19
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
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318 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
320 <400> SEQUENCE: 25
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324 <210> SEQ ID NO: 26
325 <211> LENGTH: 21
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
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333 gaacatttcc gcttctttca a 21
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 23
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
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345 gcaagtattt tatattccgc att 23
348 <210> SEQ ID NO: 28
349 <211> LENGTH: 26
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
356 <400> SEQUENCE: 28
357 gttttcaaaa cattcagtat atgatc 26
360 <210> SEQ ID NO: 29
361 <211> LENGTH: 16
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide

refer to p.1

VERIFICATION SUMMARY DATE: 03/28/2001
PATENT APPLICATION: US/09/787,000 TIME: 17:30:25

Input Set : A:\seq list.txt
Output Set: N:\CRF3\03282001\I787000.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date